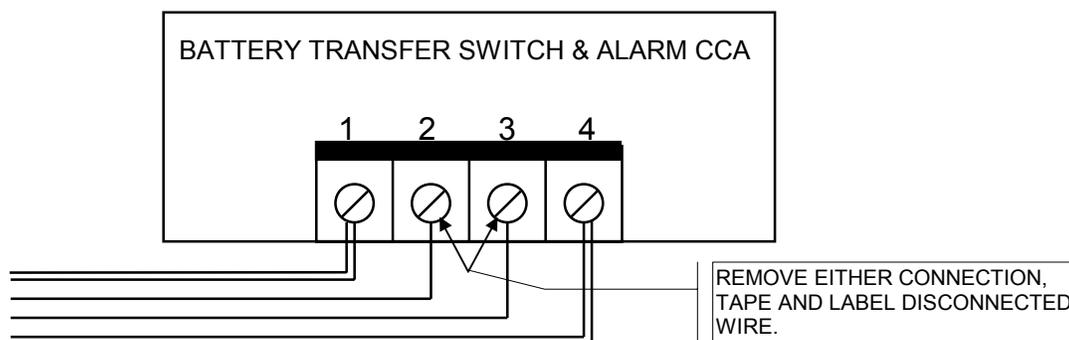


## Ocean Engineering Technical Data Sheet SDB/MAC Mod for High Wattage Power Supply Installation

When using the standard AtoN Hi-Watt power supply as the main power source for Solar Distribution Boxes (SDB) or MultiArray Controllers (MAC) in applications with **NO EMERGENCY SIGNALS** (See Standard A/N Drawing 130429), the SDB or the MAC must be modified slightly. In either case the goal is to disable the Load Transfer Relay by disconnecting one wire. This change is necessary to ensure the correct operation of the SDB (or MAC) after a commercial power interruption and power is restored.

If using an **SDB**, the modification is quite simple: (1) Remove the clear lexan shield mounted over the top of the two voltage monitoring circuit cards; (2) identify the battery transfer circuit card (left side, no mini-relay on board); (3) disconnect either the orange or gray wire from the terminal block (positions 2 or 3 of the 4-position terminal block); (4) tape or otherwise insulate end of disconnected wire; (5) tag disconnected wire to identify its original connection; (6) reinstall lexan shield.

If using a **MAC**, the modification, although identical, is more difficult because the circuit card is mounted behind the mounting panel (i.e., the mounting panel must be removed from the enclosure to access the circuit card): (1) Remove entire mounting panel from the MAC enclosure by unscrewing the four large mounting bolts; (2) identify the battery transfer circuit card (right side when looking at panel from the rear, no mini-relay on board); (3) disconnect the wire from either position 2 or 3 of the 4-position terminal block (since all wiring will be exposed, trace the disconnected wire to confirm it terminates at one of the relay's coil terminals); (4) tape or otherwise insulate end of disconnected wire; (5) tag disconnected wire to identify its original connection; (6) reinstall the mounting panel.



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